

IN THE DRAWINGS

The attached sheets of drawings include changes to Fig. 22-25. These sheets, which include Fig. 22-25, replace the original sheets including Fig. 22-25.

Attachment: Replacement Drawing Sheets

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-7 are presently active, Claims 8-20 are withdrawn from further consideration as directed to a non-elected invention, and Claim 1 is amended. No new matter is added.

In the outstanding Office Action, Figures 22-25 were objected to for not having a legend such as "Prior Art". Claims 1-7 were rejected under 35 U.S.C. § 103(a) as being unpatentable over the applicant's admitted prior art of this application (hereinafter, AAPA) in combination with Kubo (US Patent 5,567,629), Park et al. (US Publication 2003/0032295) and McDavid (US Patent 4,736,233).

Applicants initially note that an Information Disclosure Statement (IDS) was filed on December 12, 2005, after the outstanding Office Action was mailed. It is respectfully requested that the reference be formally considered and acknowledged, and that a copy of the PTO Form 1449 properly initialed by the Examiner be provided.

Regarding the objection to the drawings, on the replacement sheets, Figures 22-25 were labeled with – Prior Art –. Thus, it is respectfully submitted that the objection to the drawings has been overcome.

Regarding the rejection of Claims 1-7, Applicants respectfully submit that the rejection has been overcome because, in Applicants' view, amended independent Claim 1 patentably distinguishes over the applied references as discussed below.

Claim 1 recites, *inter alia*, "an outer low-concentration portion surrounding the inner high-concentration portion, having a direct contact with the body regions and extending to the embedded insulating layer." Since the life of holes is short in the high-concentration portion, the bipolar operation among the body region, the source/drain regions adjacent to the body

region and the other body region adjacent to the source/drain regions is suppressed, thereby reducing data interference between the body regions.

The outstanding Office Action states “AAPA ... fails to teach that the source/drain region further comprises an outer low-concentration portion surrounding the inner high-concentration portion and more shallow than the inner portion” (the Office Action, page 3, lines 17-21). The outstanding Office Action cites Kubo to remedy the deficiencies, stating “Kubo teaches source/drain region having an inner deep high-concentration portion and an outer shallow low-concentration portion surrounding the inner deep high-concentration portion” (the Office Action, page 3, lines 22-24). Kubo describes the semiconductor device having the low-concentration region in the vicinity of the source/drain regions 4 and 5 functioning as the high-concentration regions. However, the low-concentration region does not extend to the buried insulation film 9 (Kubo, Fig 19). Thus, Kubo fails to teach or suggest “an outer low-concentration portion surrounding the inner high-concentration portion, having a direct contact with the body regions and extending to the embedded insulating layer” recited in Claim 1.

Further, Park et al. and McDavid also fail to teach or suggest “an outer low-concentration portion surrounding the inner high-concentration portion, having a direct contact with the body regions and extending to the embedded insulating layer” recited in Claim 1.

Accordingly, independent Claim 1 patentably distinguishes over AAPA, Kubo, Park et al. and McDavid. Therefore, Claim 1 and the pending Claims 2-7 dependent from Claim 1 are believed to be allowable.

Consequently, in view of the present amendment and in light of the above discussions, it is believed that the outstanding rejection has been overcome, and the application as amended herewith is believed to be in condition for formal allowance. An early and favorable action to that effect is respectfully requested.

Respectfully submitted,

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